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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/506,985	04/25/2005	Annette Steudel	30698/CDT414	8932
4743 7590 05/28/2008 MARSHALL, GERSTEIN & BORUN LLP 233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER CHICAGO, IL 60606				
EXAMINER				
CHOI, LING SIU				
ART UNIT		PAPER NUMBER		
1796				
MAIL DATE		DELIVERY MODE		
05/28/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/506,985

**Applicant(s)**

STEUDEL ET AL.

**Examiner**

Ling-Siu Choi

**Art Unit**

1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 February 2008.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-38 is/are pending in the application.  
4a) Of the above claim(s) 16-25 and 27-38 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-8 is/are rejected.  
7) ☒ Claim(s) 9-15 and 26 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 08 September 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 9/8/04, 4/25/05, 11/7/06  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This Office action is in response to the Response to Election/Restriction filed 02/14/2008. Claims 1-15 and 26 of Group I were elected without traverse.

#### ***Specification***

2. The disclosure is objected to because of the following informalities: a subtitle "BRIEF DESCRIPTION OF DRAWINGS" is missing..

Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 112***

3. **The following is a quotation of the second paragraph of 35 U.S.C. 112:**

**The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.**

4. Claims 11 and 14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The A recited in claim 11 causes indefiniteness because claim 11 indirectly depends on claim 9 while A recited in claim 11 is not related to A recited in claim 9.

Art Unit: 1796

The B recited in claim 14 causes indefiniteness because claim 14 indirectly depends on claim 12 while B recited in claim 14 is not related to B recited in claim 12,

### ***Claim Analysis***

5. Summary of Claim 1:

A composition comprising a mixture of	
	at least one monomer with the formula: $A-(X)_n$ (1)
	at least one monomer with the formula: $B-(Y)_m$ (2)
where monomers of formula (1) are polymerisable with monomers of formula (2)	
n & m	integers greater than or equal to 2 such that n and m may be the same or different
X	a group containing a terminal <u>thiol-</u>
Y	a group containing a reactive <u>unsaturated carbon-carbon bond</u>
	each X may be the same or different, each Y may be the same or different
A & B	molecular fragments such that <u>at least one of A or B is an organic charge-transporting or organic light-emitting fragment</u>

### ***Claim Rejections -35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

**(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.**

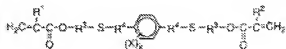
7. Claims 1-2 and 5-7, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Jochum et al. (US 5,100,929).

Jochum et al. disclose a photopolymerizable composition which is curable with visible light and comprises (a) at least 10 wt% of one or more of the poly-thiol compounds, each having at least two thiol groups, (b) at least 10 wt% of one or more of the poly-ene compounds, each having at least two ethylenically unsaturated groups, (c) 0.01-5 wt% of at least one acyl phosphine compound as a photoinitiator, and (d) 0 to 79.99 wt% of an acrylic acid ester and/or methacrylic acid ester of an at least di-functional alcohol (claim 1). Attention is drawn to Example 1, wherein the photopolymerizable composition comprises 50 parts by weight pentaerythrite tetramercaptopropionate, 50 parts by weight triallyl triazine trione, and 0.5 parts by weight 2,4,6-trimethylbenzoyl diphenyl phosphine oxide, wherein triallyl triazine trione reads on electron-transporting material. Thus, the present claims are anticipated by the disclosure of Jochum et al.

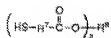
8. Claims 1-4 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Tanamura et al. (JP 10-144469).

Tanamura et al. disclose a photosetting resin for an organic electroluminescence device, comprising a monomer containing polyfunctional acrylate in the formula of

Art Unit: 1796



and a monomer containing polymercapto group in the formula of



(claims 1-3; [0035]). Thus, the present claims are anticipated by the disclosure of Tanamura et al.

### ***Allowable Subject Matter***

9. Claims 9-15 and 26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims because both Jochum et al. and Tanamura et al. do not teach or fairly suggest the claimed composition, wherein the composition, in particular, comprises the specific monomer(s).

### ***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098. The examiner can normally be reached on Monday to Friday.

Art Unit: 1796

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

/Ling-Siu Choi/

Primary Examiner, Art Unit 1796

May 24, 2008

